Download Ebook Gray Hat Hacking The Ethical Hackers Handbook Fifth Edition

Right here, we have countless ebook **Gray Hat Hacking The Ethical Hackers Handbook Fifth Edition** and collections to check out. We additionally give variant types and along with type of the books to browse. The good enough book, fiction, history, novel, scientific research, as capably as various new sorts of books are readily simple here.

As this Gray Hat Hacking The Ethical Hackers Handbook Fifth Edition, it ends going on being one of the favored book Gray Hat Hacking The Ethical Hackers Handbook Fifth Edition collections that we have. This is why you remain in the best website to look the incredible ebook to have.

KEY=EDITION - DANIELLE ELLIS

GRAY HAT HACKING: THE ETHICAL HACKER'S HANDBOOK, FIFTH EDITION

McGraw Hill Professional **Cutting-edge techniques for finding and fixing critical security flaws Fortify your network and avert digital catastrophe with proven strategies from a team of security experts. Completely updated and featuring 13 new chapters, Gray Hat Hacking, The Ethical Hacker’s Handbook, Fifth Edition explains the enemy’s current weapons, skills, and tactics and offers field-tested remedies, case studies, and ready-to-try testing labs. Find out how hackers gain access, overtake network devices, script and inject malicious code, and plunder Web applications and browsers. Android-based exploits, reverse engineering techniques, and cyber law are thoroughly covered in this state-of-the-art resource. And the new topic of exploiting the Internet of things is introduced in this edition. •Build and launch spoofing exploits with Ettercap •Induce error conditions and crash software using fuzzers •Use advanced reverse engineering to exploit Windows and Linux software •Bypass Windows Access Control and memory protection schemes •Exploit web applications with Padding Oracle Attacks •Learn the use-after-free technique used in recent zero days •Hijack web browsers with advanced XSS attacks •Understand ransomware and how it takes control of your desktop •Dissect Android malware with JEB and DAD decompilers •Find one-day vulnerabilities with binary diffing •Exploit wireless systems with Software Defined Radios (SDR) •Exploit Internet of things devices •Dissect and exploit embedded devices •Understand bug bounty programs •Deploy next-generation honeypots •Dissect ATM malware and analyze common ATM attacks •Learn the business side of ethical hacking**

GRAY HAT HACKING: THE ETHICAL HACKER'S HANDBOOK, SIXTH EDITION

McGraw-Hill Education **Up-to-date strategies for thwarting the latest, most insidious network attacks This fully updated, industry-standard security resource shows, step by step, how to fortify computer networks by learning and applying effective ethical hacking techniques. Based on curricula developed by the authors at major security conferences and colleges, the book features actionable planning and analysis methods as well as practical steps for identifying and combating both targeted and opportunistic attacks. Gray Hat Hacking: The Ethical Hacker's Handbook, Sixth Edition clearly explains the enemy’s devious weapons, skills, and tactics and offers field-tested remedies, case studies, and testing labs. You will get complete coverage of Internet of Things, mobile, and Cloud security along with penetration testing, malware analysis, and reverse engineering techniques. State-of-the-art malware, ransomware, and system exploits are thoroughly explained. •Fully revised content includes 7 new chapters covering the latest threats •Includes proof-of-concept code stored on the GitHub repository •Authors train attendees at major security conferences, including RSA, Black Hat, Defcon, and Besides**

GRAY HAT HACKING, SECOND EDITION

McGraw Hill Professional **"A fantastic book for anyone looking to learn the tools and techniques needed to break in and stay in." --Bruce Potter, Founder, The Shmoo Group "Very highly recommended whether you are a seasoned professional or just starting out in the security business." --Simple Nomad, Hacker**

GRAY HAT HACKING THE ETHICAL HACKER'S HANDBOOK, FOURTH EDITION

McGraw Hill Professional **Cutting-edge techniques for finding and fixing critical security flaws Fortify your network and avert digital catastrophe with proven strategies from a team of security experts. Completely updated and featuring 12 new chapters, Gray Hat Hacking: The Ethical Hacker's Handbook, Fourth Edition explains the enemy’s current weapons, skills, and tactics and offers field-tested remedies, case studies, and ready-to-deploy testing labs. Find out how hackers gain access, overtake network devices, script and inject malicious code, and plunder Web applications and browsers. Android-based exploits, reverse engineering techniques, and cyber law are thoroughly covered in this state-of-the-art resource. Build and launch spoofing exploits with Ettercap and Evilgrade Induce error conditions and crash software using fuzzers Hack Cisco routers, switches, and network hardware Use advanced reverse engineering to exploit Windows and Linux software Bypass Windows Access Control and memory protection schemes Scan for flaws in Web applications using Fiddler and the x5 plugin Learn the use-after-free technique used in recent zero days Bypass Web authentication via MySQL type conversion and MD5 injection attacks Inject your shellcode into a browser's memory using the latest Heap Spray techniques Hijack Web browsers with Metasploit and the BeEF Injection Framework Neutralize ransomware before it takes control of your desktop Dissect Android malware with JEB and DAD decompilers Find one-day vulnerabilities with binary diffing**

GRAY HAT HACKING THE ETHICAL HACKER'S HANDBOOK, FOURTH EDITION

McGraw-Hill Education **Cutting-edge techniques for finding and fixing critical security flaws Fortify your network and avert digital catastrophe with proven strategies from a team of security experts. Completely updated and featuring 12 new chapters, Gray Hat Hacking: The Ethical Hacker's Handbook, Fourth Edition explains the enemy’s current weapons, skills, and tactics and offers field-tested remedies, case studies, and ready-to-deploy testing labs. Find out how hackers gain access, overtake network devices, script and inject malicious code, and plunder Web applications and browsers. Android-based exploits, reverse engineering techniques, and cyber law are thoroughly covered in this state-of-the-art resource. Build and launch spoofing exploits with Ettercap and Evilgrade Induce error conditions and crash software using fuzzers Hack Cisco routers, switches, and network hardware Use advanced reverse engineering to exploit Windows and Linux software Bypass Windows Access Control and memory protection schemes Scan for flaws in Web applications using Fiddler and the x5 plugin Learn the use-after-free technique used in recent zero days Bypass Web authentication via MySQL type conversion and MD5 injection attacks Inject your shellcode into a browser's memory using the latest Heap Spray techniques Hijack Web browsers with Metasploit and the BeEF Injection Framework Neutralize ransomware before it takes control of your desktop Dissect Android malware with JEB and DAD decompilers Find one-day vulnerabilities with binary diffing**

ANDROID HACKER'S HANDBOOK

John Wiley & Sons **The first comprehensive guide to discovering and preventingattacks on the Android OS As the Android operating system continues to increase its shareof the smartphone market, smartphone hacking remains a growingthreat. Written by experts who rank among the world's foremostAndroid security researchers, this book presents vulnerabilitydiscovery, analysis, and exploitation tools for the good guys.Following a detailed explanation of how the Android OS works andits overall security architecture, the authors examine howvulnerabilities can be discovered and exploits developed forvarious system components, preparing you to defend againstthem. If you are a mobile device administrator, security researcher,Android app developer, or consultant responsible for evaluatingAndroid security, you will find this guide is essential to yourtoolbox. A crack team of leading Android security researchers explainAndroid security risks, security design and architecture, rooting,fuzz testing, and vulnerability analysis Covers Android application building blocks and security as wellas debugging and auditing Android apps Prepares mobile device administrators, security researchers,Android app developers, and security consultants to defend Androidsystems against attack Android Hacker's Handbook is the first comprehensiveresource for IT professionals charged with smartphonesecurity.**

GRAY HAT HACKING THE ETHICAL HACKERS HANDBOOK, 3RD EDITION, 3RD EDITION

THE LATEST STRATEGIES FOR UNCOVERING TODAY'S MOST DEVASTATING ATTACKS Thwart malicious network intrusion by using cutting-edge techniques for finding and fixing security flaws. Fully updated and expanded with nine new chapters, Gray Hat Hacking: The Ethical Hacker's Handbook, Third Edition details the most recent vulnerabilities and remedies along with legal disclosure methods. Learn from the experts how hackers target systems, defeat production schemes, write malicious code, and exploit flaws in Windows and

Linux systems. Malware analysis, penetration testing, SCADA, VoIP, and Web security are also covered in this comprehensive resource. Develop and launch exploits using BackTrack and Metasploit Employ physical, social engineering, and insider attack techniques Build Perl, Python, and Ruby scripts that initiate stack buffer overflows Understand and prevent malicious content in Adobe, Office, and multimedia files Detect and block client-side, Web server, VoIP, and SCADA attacks Reverse engineer, fuzz, and decompile Windows and Linux software Develop SQL injection, cross-site scripting, and forgery exploits Trap malware and rootkits using honeypots and SandBoxes.

THE BROWSER HACKER'S HANDBOOK

John Wiley & Sons **Hackers exploit browser vulnerabilities to attack deep withinnetworks The Browser Hacker's Handbook gives a practicalunderstanding of hacking the everyday web browser and using it as abeachhead to launch further attacks deep into corporate networks.Written by a team of highly experienced computer security experts,the handbook provides hands-on tutorials exploring a range ofcurrent attack methods. The web browser has become the most popular and widely usedcomputer "program" in the world. As the gateway to the Internet, itis part of the storefront to any business that operates online, butit is also one of the most vulnerable entry points of any system.With attacks on the rise, companies are increasingly employingbrowser-hardening techniques to protect the unique vulnerabilitiesinherent in all currently used browsers. The Browser Hacker'sHandbook thoroughly covers complex security issues and exploresrelevant topics such as: Bypassing the Same Origin Policy ARP spoofing, social engineering, and phishing to accessbrowsers DNS tunneling, attacking web applications, andproxying—all from the browser Exploiting the browser and its ecosystem (plugins andextensions) Cross-origin attacks, including Inter-protocol Communicationand Exploitation The Browser Hacker's Handbook is written with aprofessional security engagement in mind. Leveraging browsers aspivot points into a target's network should form an integralcomponent into any social engineering or red-team securityassessment. This handbook provides a complete methodology tounderstand and structure your next browser penetration test.**

GRAY HAT HACKING

THE ETHICAL HACKER'S HANDBOOK

Osborne McGraw-Hill **Showing how to analyze a company's vulnerability and how to take a stand on the controversial ethical disclosure issue, this unique resource provides leading-edge technical information being utilized by the top network engineers, security auditors, programmers, and vulnerability assessors. The book provides a practical course of action for those who find themselves in a "disclosure decision" position.**

THE BASICS OF HACKING AND PENETRATION TESTING

ETHICAL HACKING AND PENETRATION TESTING MADE EASY

Elsevier **The Basics of Hacking and Penetration Testing, Second Edition, serves as an introduction to the steps required to complete a penetration test or perform an ethical hack from beginning to end. The book teaches students how to properly utilize and interpret the results of the modern-day hacking tools required to complete a penetration test. It provides a simple and clean explanation of how to effectively utilize these tools, along with a four-step methodology for conducting a penetration test or hack, thus equipping students with the know-how required to jump start their careers and gain a better understanding of offensive security. Each chapter contains hands-on examples and exercises that are designed to teach learners how to interpret results and utilize those results in later phases. Tool coverage includes: Backtrack Linux, Google reconnaissance, MetaGooFil, dig, Nmap, Nessus, Metasploit, Fast Track Autopwn, Netcat, and Hacker Defender rootkit. This is complemented by PowerPoint slides for use in class. This book is an ideal resource for security consultants, beginning InfoSec professionals, and students. Each chapter contains hands-on examples and exercises that are designed to teach you how to interpret the results and utilize those results in later phases. Written by an author who works in the field as a Penetration Tester and who teaches Offensive Security, Penetration Testing, and Ethical Hacking, and Exploitation classes at Dakota State University. Utilizes the Kali Linux distribution and focuses on the seminal tools required to complete a penetration test.**

THE MAC HACKER'S HANDBOOK

John Wiley & Sons **As more and more vulnerabilities are found in the Mac OS X (Leopard) operating system, security researchers are realizing the importance of developing proof-of-concept exploits for those vulnerabilities. This unique tome is the first book to uncover the flaws in the Mac OS X operating system—and how to deal with them. Written by two white hat hackers, this book is aimed at making vital information known so that you can find ways to secure your Mac OS X systems, and examines the sorts of attacks that are prevented by Leopard’s security defenses, what attacks aren’t, and how to best handle those weaknesses.**

HANDS ON HACKING

John Wiley & Sons **A fast, hands-on introduction to offensive hacking techniques Hands-On Hacking teaches readers to see through the eyes of their adversary and apply hacking techniques to better understand real-world risks to computer networks and data. Readers will benefit from the author's years of experience in the field hacking into computer networks and ultimately training others in the art of cyber-attacks. This book holds no punches and explains the tools, tactics and procedures used by ethical hackers and criminal crackers alike. We will take you on a journey through a hacker’s perspective when focused on the computer infrastructure of a target company, exploring how to access the servers and data. Once the information gathering stage is complete, you’ll look for flaws and their known exploits—including tools developed by real-world government financed state-actors. • An introduction to the same hacking techniques that malicious hackers will use against an organization • Written by infosec experts with proven history of publishing vulnerabilities and highlighting security flaws • Based on the tried and tested material used to train hackers all over the world in the art of breaching networks • Covers the fundamental basics of how computer networks are inherently vulnerable to attack, teaching the student how to apply hacking skills to uncover vulnerabilities We cover topics of breaching a company from the external network perimeter, hacking internal enterprise systems and web application vulnerabilities. Delving into the basics of exploitation with real-world practical examples, you won’t find any hypothetical academic only attacks here. From start to finish this book will take the student through the steps necessary to breach an organization to improve its security. Written by world-renowned cybersecurity experts and educators, Hands-On Hacking teaches entry-level professionals seeking to learn ethical hacking techniques. If you are looking to understand penetration testing and ethical hacking, this book takes you from basic methods to advanced techniques in a structured learning format.**

GRAY HAT HACKING

THE ETHICAL HACKER'S HANDBOOK

Createspace Independent Publishing Platform **Thwart malicious network intrusion by using cutting-edge techniques for finding and fixing security flaws. Fully updated and expanded with nine new chapters, Gray Hat Hacking: The Ethical Hacker's Handbook, Third Edition details the most recent vulnerabilities and remedies along with legal disclosure methods. Learn from the experts how hackers target systems, defeat production schemes, write malicious code, and exploit flaws in Windows and Linux systems. Malware analysis, penetration testing, SCADA, VoIP, and Web security are also covered in this comprehensive resource. Develop and launch exploits using BackTrack and Metasploit Employ physical, social engineering, and insider attack techniques Build Perl, Python, and Ruby scripts that initiate stack buffer overflows Understand and prevent malicious content in Adobe, Office, and multimedia files Detect and block client-side, Web server, VoIP, and SCADA attacks Reverse engineer, fuzz, and decompile Windows and Linux software Develop SQL injection, cross-site scripting, and forgery exploits Trap malware and rootkits using honeypots and SandBoxes.**

HACKING- THE ART OF EXPLOITATION

EH

oshean collins **This text introduces the spirit and theory of hacking as well as the science behind it all; it also provides some core techniques and tricks of hacking so you can think like a hacker, write your own hacks or thwart potential system attacks.**

GRAY HAT HACKING

THE ETHICAL HACKER'S HANDBOOK, SECOND EDITION

GRAY HAT PYTHON

PYTHON PROGRAMMING FOR HACKERS AND REVERSE ENGINEERS

No Starch Press **Python is fast becoming the programming language of choice for hackers, reverse engineers, and software testers because it's easy to write quickly, and it has the low-level support and libraries that make hackers happy. But until now, there has been no real manual on how to use Python for a variety of hacking tasks. You had to dig through forum posts and man pages, endlessly tweaking your own code to get everything working. Not anymore. Gray Hat Python explains the concepts behind hacking tools and techniques like debuggers, trojans, fuzzers, and emulators. But author Justin Seitz goes beyond theory, showing you how to harness existing Python-based security tools—and how to build your own when the pre-built ones won't cut it. You'll learn how to: –Automate tedious reversing and security tasks –Design and program your own debugger –Learn how to fuzz Windows drivers and create powerful fuzzers from scratch –Have fun with code and library injection, soft and hard hooking techniques, and other software trickery –Sniff secure traffic out of an encrypted web browser session –Use PyDBG, Immunity Debugger, Sulley, IDAPython, PyEMU, and more The world's best hackers are using Python to do their handiwork. Shouldn't you?**

THE ORACLE HACKER'S HANDBOOK

HACKING AND DEFENDING ORACLE

John Wiley & Sons **David Litchfield has devoted years to relentlessly searching out the flaws in the Oracle database system and creating defenses against them. Now he offers you his complete arsenal to assess and defend your own Oracle systems. This in-depth guide explores every technique and tool used by black hat hackers to invade and compromise Oracle and then it shows you how to find the weak spots and defend them. Without that knowledge, you have little chance of keeping your databases truly secure.**

CERTIFIED ETHICAL HACKER (CEH) FOUNDATION GUIDE

Apress **Prepare for the CEH training course and exam by gaining a solid foundation of knowledge of key fundamentals such as operating systems, databases, networking, programming, cloud, and virtualization. Based on this foundation, the book moves ahead with simple concepts from the hacking world. The Certified Ethical Hacker (CEH) Foundation Guide also takes you through various career paths available upon completion of the CEH course and also prepares you to face job interviews when applying as an ethical hacker. The book explains the concepts with the help of practical real-world scenarios and examples. You'll also work with hands-on exercises at the end of each chapter to get a feel of the subject. Thus this book would be a valuable resource to any individual planning to prepare for the CEH certification course. What You Will Learn Gain the basics of hacking (apps, wireless devices, and mobile platforms) Discover useful aspects of databases and operating systems from a hacking perspective Develop sharper programming and networking skills for the exam Explore the penetration testing life cycle Bypass security appliances like IDS, IPS, and honeypots Grasp the key concepts of cryptography Discover the career paths available after certification Revise key interview questions for a certified ethical hacker Who This Book Is For Beginners in the field of ethical hacking and information security, particularly those who are interested in the CEH course and certification.**

LEARN ETHICAL HACKING FROM SCRATCH

YOUR STEPPING STONE TO PENETRATION TESTING

Packt Publishing Ltd **Learn how to hack systems like black hat hackers and secure them like security experts Key Features Understand how computer systems work and their vulnerabilities Exploit weaknesses and hack into machines to test their security Learn how to secure systems from hackers Book Description This book starts with the basics of ethical hacking, how to practice hacking safely and legally, and how to install and interact with Kali Linux and the Linux terminal. You will explore network hacking, where you will see how to test the security of wired and wireless networks. You'll also learn how to crack the password for any Wi-Fi network (whether it uses WEP, WPA, or WPA2) and spy on the connected devices. Moving on, you will discover how to gain access to remote computer systems using client-side and server-side attacks. You will also get the hang of post-exploitation techniques, including remotely controlling and interacting with the systems that you compromised. Towards the end of the book, you will be able to pick up web application hacking techniques. You'll see how to discover, exploit, and prevent a number of website vulnerabilities, such as XSS and SQL injections. The attacks covered are practical techniques that work against real systems and are purely for educational purposes. At the end of each section, you will learn how to detect, prevent, and secure systems from these attacks. What you will learn Understand ethical hacking and the different fields and types of hackers Set up a penetration testing lab to practice safe and legal hacking Explore Linux basics, commands, and how to interact with the terminal Access password-protected networks and spy on connected clients Use server and client-side attacks to hack and control remote computers Control a hacked system remotely and use it to hack other systems Discover, exploit, and prevent a number of web application vulnerabilities such as XSS and SQL injections Who this book is for Learning Ethical Hacking from Scratch is for anyone interested in learning how to hack and test the security of systems like professional hackers and security experts.**

THE HACKER'S HANDBOOK

THE STRATEGY BEHIND BREAKING INTO AND DEFENDING NETWORKS

CRC Press **This handbook reveals those aspects of hacking least understood by network administrators. It analyzes subjects through a hacking/security dichotomy that details hacking maneuvers and defenses in the same context. Chapters are organized around specific components and tasks, providing theoretical background that prepares network defenders for the always-changing tools and techniques of intruders. Part I introduces programming, protocol, and attack concepts. Part II addresses subject areas (protocols, services, technologies, etc.) that may be vulnerable. Part III details consolidation activities that hackers may use following penetration.**

ETHICAL HACKING 101

HOW TO CONDUCT PROFESSIONAL PENTESTINGS IN 21 DAYS OR LESS!

Createspace Independent Publishing Platform **Curious abot how to perform penetration testings? Have you always wanted to become an ethical hacker but haven't got the time or the money to take expensive workshops? Then this book is for you! With just 2 hours of daily dedication you could be able to start your practice as an ethical hacker, of course as long as you not only read the chapters but perform all the labs included with this book. Table of contents: - Chapter 1 - Introduction to Ethical Hacking - Chapter 2 - Reconnaissance or footprinting - Chapter 3 - Scanning - Chapter 4 - Enumeration - Chapter 5 - Exploitation or hacking - Chapter 6 - Writing the audit report without suffering a mental breakdown - Chapter 7 - Relevant international certifications - Final Recommendations - Please leave us a review - About the author - Glossary of technical terms - Apendix A: Tips for succesful labs - Notes and references Note: The labs are updated for Kali Linux 2!**

THE WEB APPLICATION HACKER'S HANDBOOK

DISCOVERING AND EXPLOITING SECURITY FLAWS

John Wiley & Sons **This book is a practical guide to discovering and exploiting security flaws in web applications. The authors explain each category of vulnerability using real-world examples, screen shots and code extracts. The book is extremely practical in focus, and describes in detail the steps involved in detecting and exploiting each kind of security weakness found within a variety of applications such as online banking, e-commerce and other web applications. The topics covered include bypassing login mechanisms, injecting code, exploiting logic flaws and compromising other users. Because every web application is different, attacking them entails bringing to bear various general principles, techniques and experience in an imaginative way. The most successful hackers go beyond this, and find ways to automate their bespoke attacks. This handbook describes a proven methodology that combines the virtues of human intelligence and computerized brute force, often with devastating results. The authors are professional penetration testers who have been involved in web application security for nearly a decade. They have presented training courses at the Black Hat security conferences throughout the world. Under the alias "PortSwigger", Dafydd developed the popular Burp Suite of web application hack tools.**

THE WEB APPLICATION HACKER'S HANDBOOK: FINDING AND EXPLOITING SECURITY FLAWS, 2ND ED

John Wiley & Sons

HACKING

BE A HACKER WITH ETHICS

KHANNA PUBLISHING **Be a Hacker with Ethics**

ETHICAL HACKING

A HANDS-ON INTRODUCTION TO BREAKING IN

No Starch Press **A hands-on guide to hacking computer systems from the ground up, from capturing traffic to crafting sneaky, successful trojans. A crash course in modern hacking techniques, Ethical Hacking is already being used to prepare the next generation of offensive security experts. In its many hands-on labs, you'll explore crucial skills for any aspiring penetration tester, security researcher, or malware analyst. You'll begin with the basics: capturing a victim's network traffic with an ARP spoofing attack and then viewing it in Wireshark. From there, you'll deploy reverse shells that let you remotely run commands on a victim's computer, encrypt files by writing your own ransomware in Python, and fake emails like the ones used in phishing attacks. In advanced chapters, you'll learn how to fuzz for new vulnerabilities, craft trojans and rootkits, exploit websites with SQL injection, and escalate your privileges to extract credentials, which you'll use to traverse a private network. You'll work with a wide range of professional penetration testing tools—and learn to write your own tools in Python—as you practice tasks like: • Deploying the Metasploit framework's reverse shells and embedding them in innocent-seeming files • Capturing passwords in a corporate Windows network using Mimikatz • Scanning (almost) every device on the internet to find potential victims • Installing Linux rootkits that modify a victim's operating system • Performing advanced Cross-Site Scripting (XSS) attacks that execute sophisticated JavaScript payloads Along the way, you'll gain a foundation in the relevant computing technologies. Discover how advanced fuzzers work behind the scenes, learn how internet traffic gets encrypted, explore the inner mechanisms of nation-state malware like Drovorub, and much more. Developed with feedback from cybersecurity students, Ethical Hacking addresses contemporary issues in the field not often covered in other books and will prepare you for a career in penetration testing. Most importantly, you'll be able to think like an ethical hacker: someone who can carefully analyze systems and creatively gain access to them.**

GRAY HAT HACKING THE ETHICAL HACKER'S HANDBOOK, FOURTH EDITION, 4TH EDITION

Cutting-edge techniques for finding and fixing critical security flaws Fortify your network and avert digital catastrophe with proven strategies from a team of security experts. Completely updated and featuring 12 new chapters, Gray Hat Hacking: The Ethical Hacker's Handbook, Fourth Edition explains the enemy's current weapons, skills, and tactics and offers field-tested remedies, case studies, and ready-to-deploy testing labs. Find out how hackers gain access, overtake network devices, script and inject malicious code, and plunder Web applications and browsers. Android-based exploits, reverse engineering techniques, and cyber law are thoroughly covered in this state-of-the-art resource. Build and launch spoofing exploits with Ettercap and Evilgrade Induce error conditions and crash software using fuzzers Hack Cisco routers, switches, and network hardware Use advanced reverse engineering to exploit Windows and Linux software Bypass Windows Access Control and memory protection schemes Scan for flaws in Web applications using Fiddler and the x5 plugin Learn the use-after-free technique used in recent zero days Bypass Web authentication via MySQL type conversion and MD5 injection attacks Inject your shellcode into a browser's memory using the latest Heap Spray techniques Hijack Web browsers with Metasploit and the BeEF Injection Framework Neutralize ransomware before it takes control of your desktop Dissect Android malware with JEB and DAD decompilers Find one-day vulnerabilities with binary diffing.

BLACK HAT PYTHON, 2ND EDITION

PYTHON PROGRAMMING FOR HACKERS AND PENTESTERS

No Starch Press **Fully-updated for Python 3, the second edition of this worldwide bestseller (over 100,000 copies sold) explores the stealthier side of programming and brings you all new strategies for your hacking projects. When it comes to creating powerful and effective hacking tools, Python is the language of choice for most security analysts. In Black Hat Python, 2nd Edition, you'll explore the darker side of Python's capabilities—writing network sniffers, stealing email credentials, brute forcing directories, crafting mutation fuzzers, infecting virtual machines, creating stealthy trojans, and more. The second edition of this bestselling hacking book contains code updated for the latest version of Python 3, as well as new techniques that reflect current industry best practices. You'll also find expanded explanations of Python libraries such as ctypes, struct, lxml, and BeautifulSoup, and dig deeper into strategies, from splitting bytes to leveraging computer-vision libraries, that you can apply to future hacking projects. You'll learn how to: • Create a trojan command-and-control using GitHub • Detect sandboxing and automate common malware tasks, like keylogging and screenshotting • Escalate Windows privileges with creative process control • Use offensive memory forensics tricks to retrieve password hashes and inject shellcode into a virtual machine • Extend the popular Burp Suite web-hacking tool • Abuse Windows COM automation to perform a man-in-the-browser attack • Exfiltrate data from a network most sneakily When it comes to offensive security, your ability to create powerful tools on the fly is indispensable. Learn how with the second edition of Black Hat Python. New to this edition: All Python code has been updated to cover Python 3 and includes updated libraries used in current Python applications. Additionally, there are more in-depth explanations of the code and the programming techniques have been updated to current, common tactics. Examples of new material that you'll learn include how to sniff network traffic, evade anti-virus software, brute-force web applications, and set up a command-and-control (C2) system using GitHub.**

THE ART OF ATTACK

ATTACKER MINDSET FOR SECURITY PROFESSIONALS

John Wiley & Sons **Take on the perspective of an attacker with this insightful new resource for ethical hackers, pentesters, and social engineers In The Art of Attack: Attacker Mindset for Security Professionals, experienced physical pentester and social engineer Maxie Reynolds untangles the threads of a useful, sometimes dangerous, mentality. The book shows ethical hackers, social engineers, and pentesters what an attacker mindset is and how to use it to their advantage. Adopting this mindset will result in the improvement of security, offensively and defensively, by allowing you to see your environment objectively through the eyes of an attacker. The book shows you the laws of the mindset and the techniques attackers use, from persistence to "start with the end" strategies and non-linear thinking, that make them so dangerous. You'll discover: A variety of attacker strategies, including approaches, processes, reconnaissance, privilege escalation, redundant access, and escape techniques The unique tells and signs of an attack and how to avoid becoming a victim of one What the science of psychology tells us about amygdala hijacking and other tendencies that you need to protect against Perfect for red teams, social engineers, pentesters, and ethical hackers seeking to fortify and harden their systems and the systems**

of their clients, The Art of Attack is an invaluable resource for anyone in the technology security space seeking a one-stop resource that puts them in the mind of an attacker.

BLACK HAT

MISFITS, CRIMINALS, AND SCAMMERS IN THE INTERNET AGE

Apress *** Accessible to both lay readers and decision-makers * These stories are as exciting, if even more exciting, than even the most fast-paced movie adventure. Hackers strike quickly and with disastrous results. The story and post-mortems are fascinating * Homes are becoming increasingly wired and, thanks to Wi-Fi, unwired. What are the associated risks of fast Internet? * Technology is everywhere. People who subvert and damage technology will soon by enemy #1. * The author is an internationally recognized authority on computer security**

THE MOBILE APPLICATION HACKER'S HANDBOOK

John Wiley & Sons **See your app through a hacker's eyes to find the real sources of vulnerability The Mobile Application Hacker's Handbook is a comprehensive guide to securing all mobile applications by approaching the issue from a hacker's point of view. Heavily practical, this book provides expert guidance toward discovering and exploiting flaws in mobile applications on the iOS, Android, Blackberry, and Windows Phone platforms. You will learn a proven methodology for approaching mobile application assessments, and the techniques used to prevent, disrupt, and remediate the various types of attacks. Coverage includes data storage, cryptography, transport layers, data leakage, injection attacks, runtime manipulation, security controls, and cross-platform apps, with vulnerabilities highlighted and detailed information on the methods hackers use to get around standard security. Mobile applications are widely used in the consumer and enterprise markets to process and/or store sensitive data. There is currently little published on the topic of mobile security, but with over a million apps in the Apple App Store alone, the attack surface is significant. This book helps you secure mobile apps by demonstrating the ways in which hackers exploit weak points and flaws to gain access to data. Understand the ways data can be stored, and how cryptography is defeated Set up an environment for identifying insecurities and the data leakages that arise Develop extensions to bypass security controls and perform injection attacks Learn the different attacks that apply specifically to cross-platform apps IT security breaches have made big headlines, with millions of consumers vulnerable as major corporations come under attack. Learning the tricks of the hacker's trade allows security professionals to lock the app up tight. For better mobile security and less vulnerable data, The Mobile Application Hacker's Handbook is a practical, comprehensive guide.**

GRAY HAT C#

CREATING AND AUTOMATING SECURITY TOOLS

No Starch Press **Learn to use C#'s powerful set of core libraries to automate tedious yet important tasks like performing vulnerability scans, malware analysis, and incident response. With some help from Mono, you can write your own practical security tools that will run on Mac, Linux, and even mobile devices. Following a crash course in C# and some of its advanced features, you'll learn how to: -Write fuzzers that use the HTTP and XML libraries to scan for SQL and XSS injection -Generate shellcode in Metasploit to create cross-platform and cross-architecture payloads -Automate Nessus, OpenVAS, and sqlmap to scan for vulnerabilities and exploit SQL injections -Write a .NET decompiler for Mac and Linux -Parse and read offline registry hives to dump system information -Automate the security tools Arachni and Metasploit using their MSGPACK RPCs Streamline and simplify your work day with Gray Hat C# and C#'s extensive repertoire of powerful tools and libraries.**

THE SHELLCODER'S HANDBOOK

DISCOVERING AND EXPLOITING SECURITY HOLES

John Wiley & Sons **This much-anticipated revision, written by the ultimate group of top security experts in the world, features 40 percent new content on how to find security holes in any operating system or application New material addresses the many new exploitation techniques that have been discovered since the first edition, including attacking "unbreakable" software packages such as McAfee's Entercept, Mac OS X, XP, Office 2003, and Vista Also features the first-ever published information on exploiting Cisco's IOS, with content that has never before been explored The companion Web site features downloadable code files**

THE CAR HACKER'S HANDBOOK

A GUIDE FOR THE PENETRATION TESTER

No Starch Press **Modern cars are more computerized than ever. Infotainment and navigation systems, Wi-Fi, automatic software updates, and other innovations aim to make driving more convenient. But vehicle technologies haven't kept pace with today's more hostile security environment, leaving millions vulnerable to attack. The Car Hacker's Handbook will give you a deeper understanding of the computer systems and embedded software in modern vehicles. It begins by examining vulnerabilities and providing detailed explanations of communications over the CAN bus and between devices and systems. Then, once you have an understanding of a vehicle's communication network, you'll learn how to intercept data and perform specific hacks to track vehicles, unlock doors, glitch engines, flood communication, and more. With a focus on low-cost, open source hacking tools such as Metasploit, Wireshark, Kayak, can-utils, and ChipWhisperer, The Car Hacker's Handbook will show you how to: –Build an accurate threat model for your vehicle –Reverse engineer the CAN bus to fake engine signals –Exploit vulnerabilities in diagnostic and data-logging systems –Hack the ECU and other firmware and embedded systems –Feed exploits through infotainment and vehicle-to-vehicle communication systems –Override factory settings with performance-tuning techniques –Build physical and virtual test benches to try out exploits safely If you're curious about automotive security and have the urge to hack a two-ton computer, make The Car Hacker's Handbook your first stop.**

BLACK HAT PYTHON

PYTHON PROGRAMMING FOR HACKERS AND PENTESTERS

No Starch Press **When it comes to creating powerful and effective hacking tools, Python is the language of choice for most security analysts. But just how does the magic happen? In Black Hat Python, the latest from Justin Seitz (author of the best-selling Gray Hat Python), you'll explore the darker side of Python's capabilities—writing network sniffers, manipulating packets, infecting virtual machines, creating stealthy trojans, and more. You'll learn how to: –Create a trojan command-and-control using GitHub –Detect sandboxing and automate common malware tasks, like keylogging and screenshotting –Escalate Windows privileges with creative process control –Use offensive memory forensics tricks to retrieve password hashes and inject shellcode into a virtual machine –Extend the popular Burp Suite web-hacking tool –Abuse Windows COM automation to perform a man-in-the-browser attack –Exfiltrate data from a network most sneakily Insider techniques and creative challenges throughout show you how to extend the hacks and how to write your own exploits. When it comes to offensive security, your ability to create powerful tools on the fly is indispensable. Learn how in Black Hat Python. Uses Python 2**

THE PRO-HACKER'S GUIDE TO HACKING

HACKING THE RIGHT WAY, THE SMART WAY

This book on "Hacking & Penetration testing" focuses on the basic concepts of hacking, its implementations & practical demonstrations. The very significant methods of hacking are properly described & illustrated in a robust manner. An average person with no prior knowledge of hacking can also read & understand the essentials of the book. This is so because the book has been written in a very friendly & self-explanatory language by the author. The book has been divided into various sections that are critical as per hacker's

perspective. It includes social engineering, spoofing & MITM, Wi-Fi Hacking, client side attacks, etc.Learn about different hacking tools & methods such as: - Hacking Android- Hacking Any Windows Remotely using an image without any access- Hacking Windows - Using Metasploit- Cracking Passwords Using THC Hydra- Hacking WEP WPA2 Protected WiFi- Hacking Any WiFi -WiFiPhisher, Kismet, Fluxion, Evil Twin- Sniffing Data using ARPSpoof- Sniffing DNS using DNSSpoof- DHCP Spoofing- Man-In-The-Middle Attack [MITM]- Password Sniffing and much more...The author of the book, Anuj Mishra, is a reputed blogger as well as an ethical hacker. His blog "HackeRoyale" has been ranked as TOP 75 HACKER BLOG ON EARTH in an independent survey conducted by FeedSpot.

ETHICAL HACKING

University of Ottawa Press **How will governments and courts protect civil liberties in this new era of hacktivism? Ethical Hacking discusses the attendant moral and legal issues. The first part of the 21st century will likely go down in history as the era when ethical hackers opened governments and the line of transparency moved by force. One need only read the motto “we open governments” on the Twitter page for Wikileaks to gain a sense of the sea change that has occurred. Ethical hacking is the non-violent use of a technology in pursuit of a cause—political or otherwise—which is often legally and morally ambiguous. Hacktivists believe in two general but spirited principles: respect for human rights and fundamental freedoms, including freedom of expression and personal privacy; and the responsibility of government to be open, transparent and fully accountable to the public. How courts and governments will deal with hacking attempts which operate in a grey zone of the law and where different ethical views collide remains to be seen. What is undisputed is that Ethical Hacking presents a fundamental discussion of key societal questions. A fundamental discussion of key societal questions. This book is published in English. - La première moitié du XXIe siècle sera sans doute reconnue comme l’époque où le piratage éthique a ouvert de force les gouvernements, déplaçant les limites de la transparence. La page twitter de Wikileaks enchâsse cet ethos à même sa devise, « we open governments », et sa volonté d’être omniprésent. En parallèle, les grandes sociétés de technologie comme Apple se font compétition pour produire des produits de plus en plus sécuritaires et à protéger les données de leurs clients, alors même que les gouvernements tentent de limiter et de décrypter ces nouvelles technologies d’encryption. Entre-temps, le marché des vulnérabilités en matière de sécurité augmente à mesure que les experts en sécurité informatique vendent des vulnérabilités de logiciels des grandes technologies, dont Apple et Google, contre des sommes allant de 10 000 à 1,5 million de dollars. L’activisme en sécurité est à la hausse. Le piratage éthique est l’utilisation non-violence d’une technologie quelconque en soutien d’une cause politique ou autre qui est souvent ambigue d’un point de vue juridique et moral. Le hacking éthique peut désigner les actes de vérification de pénétration professionnelle ou d’experts en sécurité informatique, de même que d’autres formes d’actions émergentes, comme l’hacktivisme et la désobéissance civile en ligne. L’hacktivisme est une forme de piratage éthique, mais également une forme de militantisme des droits civils à l’ère numérique. En principe, les adeptes du hacktivisme croient en deux grands principes : le respect des droits de la personne et les libertés fondamentales, y compris la liberté d’expression et à la vie privée, et la responsabilité des gouvernements d’être ouverts, transparents et pleinement redevables au public. En pratique, toutefois, les antécédents comme les agendas des hacktivistes sont fort diversifiés. Il n’est pas clair de quelle façon les tribunaux et les gouvernements traiteront des tentatives de piratage eu égard aux zones grises juridiques, aux approches éthiques conflictuelles, et compte tenu du fait qu’il n’existe actuellement, dans le monde, presque aucune exception aux provisions, en matière de cybercrime et de crime informatique, liées à la recherche sur la sécurité ou l’intérêt public. Il sera également difficile de déterminer le lien entre hacktivisme et droits civils. Ce livre est publié en anglais.**

THE DATABASE HACKER'S HANDBOOK

DEFENDING DATABASE SERVERS

John Wiley & Sons Incorporated **Provides information on ways to break into and defend seven database servers, covering such topics as identifying vulernabilities, how an attack is carried out, and how to stop an attack.**

GOOGLE HACKING FOR PENETRATION TESTERS

Elsevier **This book helps people find sensitive information on the Web. Google is one of the 5 most popular sites on the internet with more than 380 million unique users per month (Nielsen/NetRatings 8/05). But, Google’s search capabilities are so powerful, they sometimes discover content that no one ever intended to be publicly available on the Web including: social security numbers, credit card numbers, trade secrets, and federally classified documents. Google Hacking for Penetration Testers Volume 2 shows the art of manipulating Google used by security professionals and system administrators to find this sensitive information and “self-police their own organizations. Readers will learn how Google Maps and Google Earth provide pinpoint military accuracy, see how bad guys can manipulate Google to create super worms, and see how they can "mash up" Google with MySpace, LinkedIn, and more for passive reconaissance. • Learn Google Searching Basics Explore Google’s Web-based Interface, build Google queries, and work with Google URLs. • Use Advanced Operators to Perform Advanced Queries Combine advanced operators and learn about colliding operators and bad search-fu. • Learn the Ways of the Google Hacker See how to use caches for anonymity and review directory listings and traversal techniques. • Review Document Grinding and Database Digging See the ways to use Google to locate documents and then search within the documents to locate information. • Understand Google’s Part in an Information Collection Framework Learn the principles of automating searches and the applications of data mining. • Locate Exploits and Finding Targets Locate exploit code and then vulnerable targets. • See Ten Simple Security Searches Learn a few searches that give good results just about every time and are good for a security assessment. • Track Down Web Servers Locate and profile web servers, login portals, network hardware and utilities. • See How Bad Guys Troll for Data Find ways to search for usernames, passwords, credit card numbers, social security numbers, and other juicy information. • Hack Google Services Learn more about the AJAX Search API, Calendar, Blogger, Blog Search, and more.**

NETWORK FORENSICS

TRACKING HACKERS THROUGH CYBERSPACE

Prentice Hall **“This is a must-have work for anybody in information security, digital forensics, or involved with incident handling. As we move away from traditional disk-based analysis into the interconnectivity of the cloud, Sherri and Jonathan have created a framework and roadmap that will act as a seminal work in this developing field.” – Dr. Craig S. Wright (GSE), Asia Pacific Director at Global Institute for Cyber Security + Research. “It’s like a symphony meeting an encyclopedia meeting a spy novel.” –Michael Ford, Corero Network Security On the Internet, every action leaves a mark–in routers, firewalls, web proxies, and within network traffic itself. When a hacker breaks into a bank, or an insider smuggles secrets to a competitor, evidence of the crime is always left behind. Learn to recognize hackers’ tracks and uncover network-based evidence in Network Forensics: Tracking Hackers through Cyberspace. Carve suspicious email attachments from packet captures. Use flow records to track an intruder as he pivots through the network. Analyze a real-world wireless encryption-cracking attack (and then crack the key yourself). Reconstruct a suspect’s web surfing history–and cached web pages, too–from a web proxy. Uncover DNS-tunneled traffic. Dissect the Operation Aurora exploit, caught on the wire. Throughout the text, step-by-step case studies guide you through the analysis of network-based evidence. You can download the evidence files from the authors’ web site (lmgsecurity.com), and follow along to gain hands-on experience. Hackers leave footprints all across the Internet. Can you find their tracks and solve the case? Pick up Network Forensics and find out.**

HANDS-ON ETHICAL HACKING AND NETWORK DEFENSE

Cengage Learning **Hands-On Ethical Hacking and Network Defense, Second Edition provides an in-depth understanding of how to effectively protect computer networks. This book describes the tools and penetration testing methodologies used by ethical hackers and provides a thorough discussion of what and who an ethical hacker is and how important they are in protecting corporate and government data from cyber attacks. Readers are provided with updated computer security resources that describe new vulnerabilities and innovative methods to protect networks. Also included is a thorough update of federal and state computer crime laws, as well as changes in penalties for illegal computer hacking. With cyber-terrorism and corporate espionage threatening the fiber of our world, the need for trained network security professionals continues to grow. Hands-On Ethical Hacking and Network Defense, Second Edition provides a structured knowledge base to prepare readers to be security professionals who understand how to protect a network by using the skills and tools of an ethical hacker. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.**